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PRECISION POSITIONING UNIT
AND LINEAR MOVEMENT CONTROL UNIT

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ABSTRACT OF THE DISCLOSURE

15 A precision positioning unit composed of a table on
which an article is to be placed, a linearly movable rod
which is connected with the table at one end and further —
connected with a rod actuating device at another end, in
which the rod actuating device is capable of linearly
moving the rod forward and backward, has the following
20 characteristics:

the rod is connected with the actuating device via
cushion mechanism; and

25 by the side of the rod is placed a rod movement con-
trol device composed of an elastic member, a ultrasonic
transducer, and a ultrasonic emitting surface, in which
the elastic member is constituted to push the ultrasonic
emitting surface to a side surface of the rod when the
transducer is inactive, and the transducer functioning to
draw the ultrasonic emitting surface away from the rod
30 when it is active.

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